



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE NCC Update

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Hisham Ibrahim | RIPE NCC Days Sofia | 27 June 2023

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Priorities for 2023

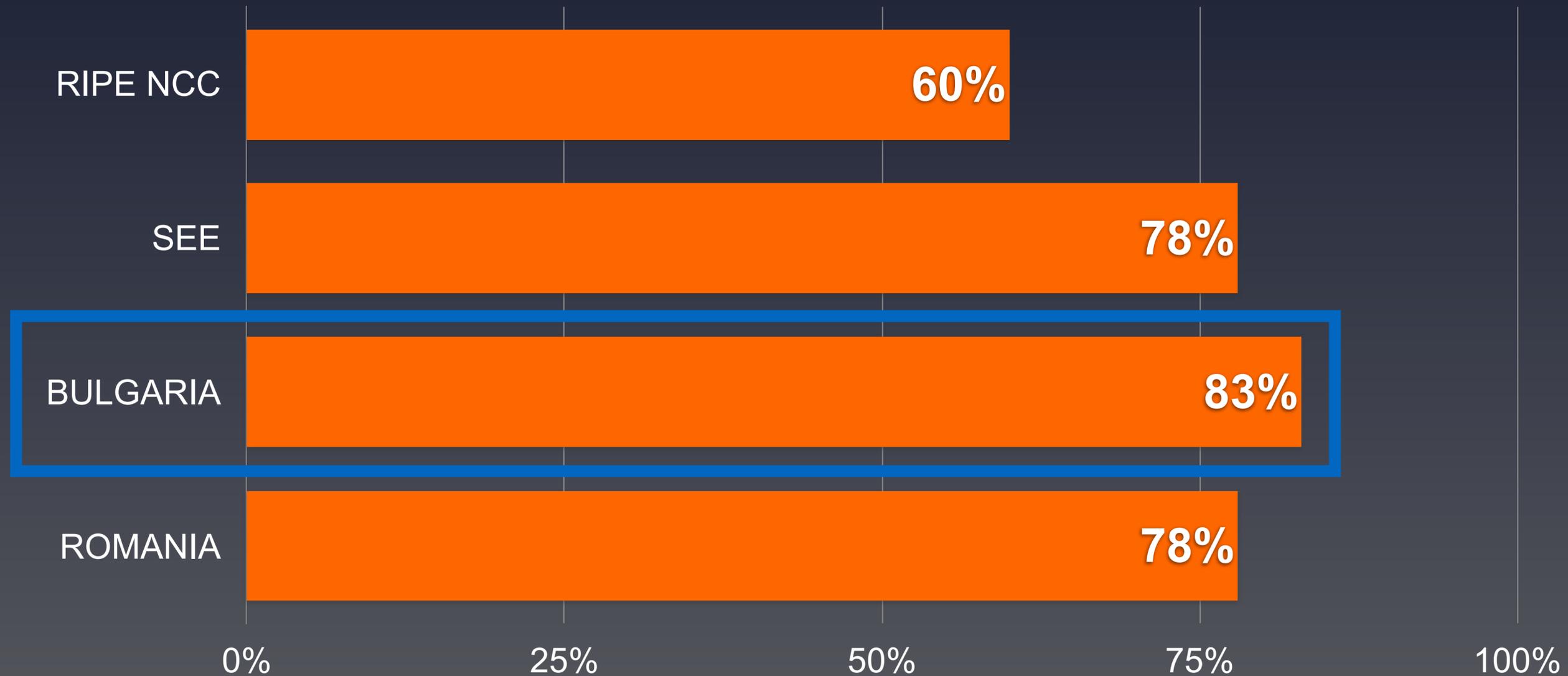


- Be resilient in the face of political, legislative and regulatory changes that have the potential to affect our operations
- Secure Internet number resources by developing and operating a resilient, externally auditable and secure Resource Certification Trust Anchor and promote RPKI usage
- Be a centre of excellence for data, measurements and tools that provide insight on the Internet and its operations
- Maintain necessary levels of security and compliance with best practices and applicable regulations
- Maintain a healthy organisational culture with engaged staff aligned with the organisational values
- As in our 2023 Activity Plan: <https://www.ripe.net/publications/docs/ripe-786>

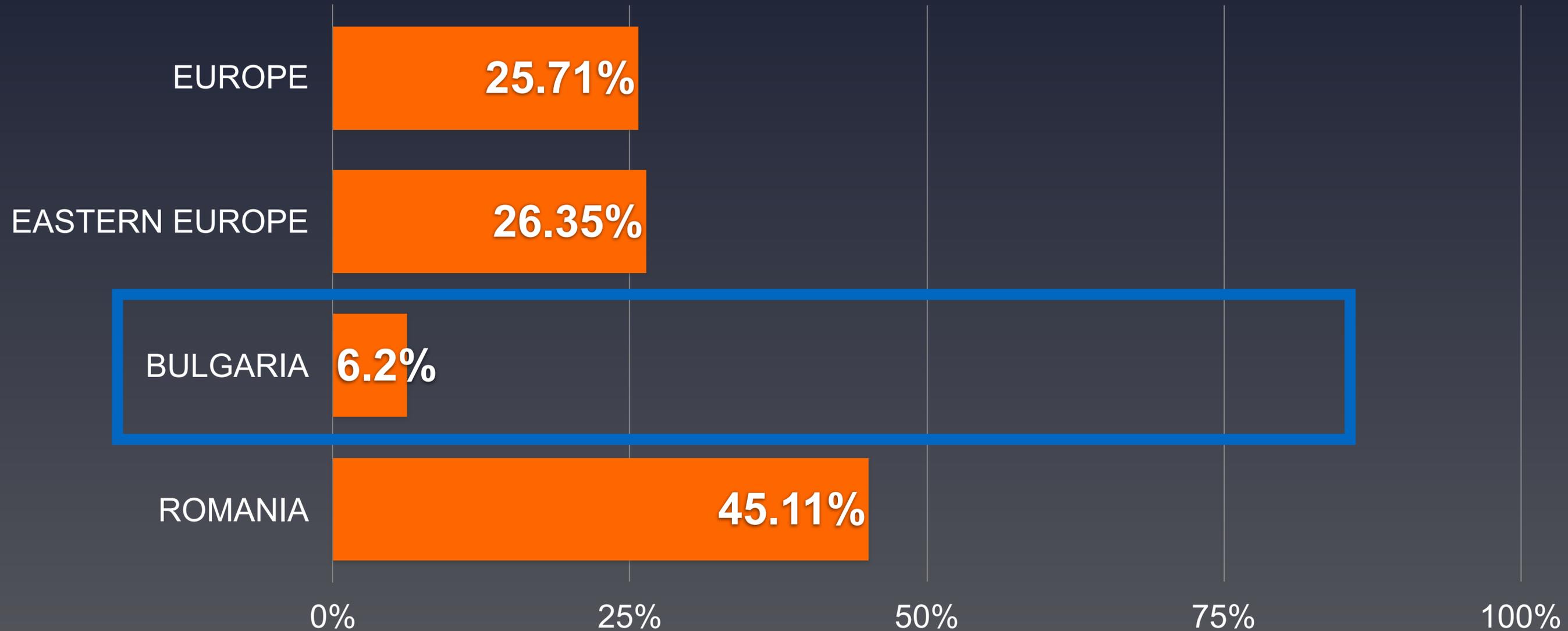


RPKI Update

IPv4 ROA Coverage



RPKI ROV*



**APNIC data as of 15 June 2023*

Why is RPKI Important?



- One of our main focus areas for 2023
- We're close to reach 40,000 ROAs and in May we celebrated 20,000 CA certificates in our repository
- RPKI is a key topic as BGP hijacks are happening on a daily basis
- Work on RPKI from both technical and deployment sides is needed to make Internet routing more secure
- RPKI ensures resource holders are certifiably linked to their resources - and that reliable origin data is available to inform routing decisions

RPKI at the RIPE NCC Days



- Today at 14:00:
 - Routing Security: Introduction and Regional Statistics (Gerardo Viviers, RIPE NCC)
 - Current Developments in Routing Security (Bart Bakker and Stella Vouteva, RIPE NCC)
 - e-Network Security and Regulatory Practices (Vihren Slavchev, Mnemonica)
- Tomorrow at 11:00:
 - ROA Signing Party and Advanced Routing Security

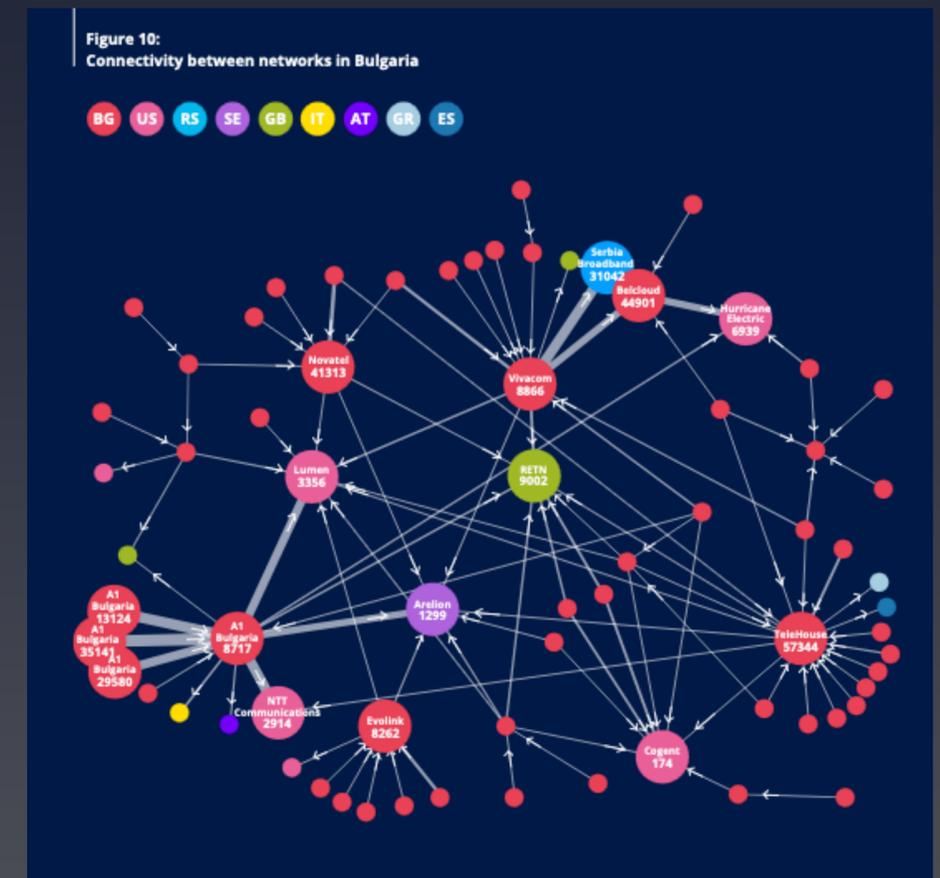


IPv6 in Bulgaria

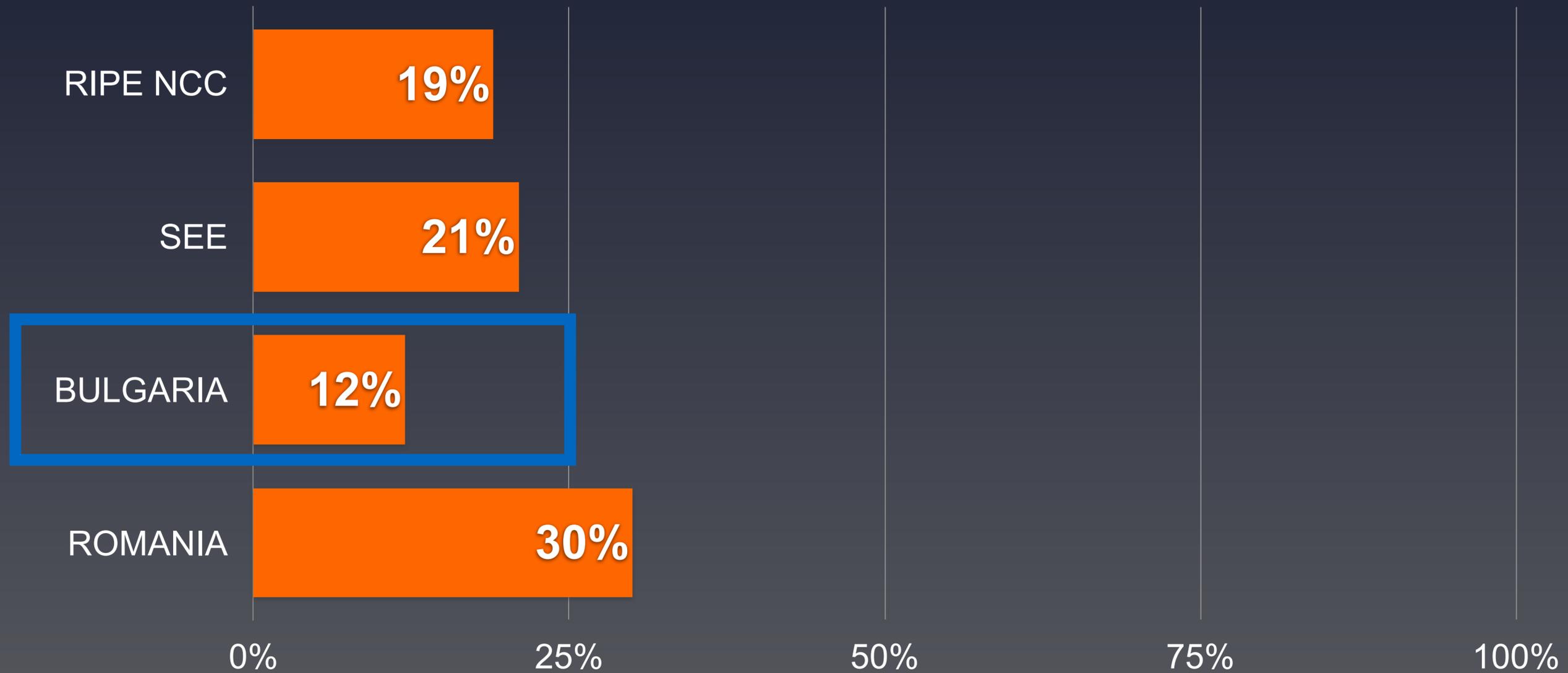
IPv6 in Bulgaria



- May 2022: Published our “RIPE NCC Internet Country Report: Bulgaria, Moldova and Romania”
- Conclusions:
 - Bulgaria and Moldova lag behind the world average in IPv6 capability, influenced by a lack of business incentives and technical expertise
 - Deployment by a single large provider can improve a country's overall capability rates, as seen in Romania and Bulgaria.
 - Stimulation measures by public authorities and community incentivisation from local organisations can boost IPv6 adoption rates.
 - https://labs.ripe.net/author/suzanne_taylor_muzzin/ripe-ncc-internet-country-report-bulgaria-moldova-and-romania/



IPv6 Capability



IPv6 in Bulgaria



- Since the report, progress has been made: Bulgaria's adoption rate has risen from 3-4% to 12%
- Among the big operators in Bulgaria, Vivacom has made significant progress in their deployment in the past year
 - Stanish Stanishev will present on their achievements today at 16:00
 - Tayfun Ozaltin, RIPE NCC, will give an update on RIPE NCC security right after
- IPv6 Fundamentals and IPv6 Security courses available for free:
 - <https://academy.ripe.net/>
- Get Certified:
 - [IPv6 Fundamentals – Analyst Exam](#)
 - [IPv6 Security Expert Exam](#)



RIPE Atlas

RIPE Atlas Coverage in Bulgaria



RIPE Atlas probe coverage

Showing ASNs covering at least 1% of the country's population (2023-06-20)

- ASN has at least 1 probe
- ASN is not covered



RIPE Atlas Coverage in Bulgaria



- 11,100 probes spread out across 5,000+ ASNs in 169 countries
- In Bulgaria, we have 85 connected probes (10 disconnected and 145 abandoned)
- Most wanted ASNs:
 - CETIN BG (AS29244)
 - A1BG (AS13124, AS8717)
 - Networx-BG (AS34569)
- Some hardware probes are available onsite



Engaging with the RIPE NCC and the RIPE Community

Why is Engagement Important?



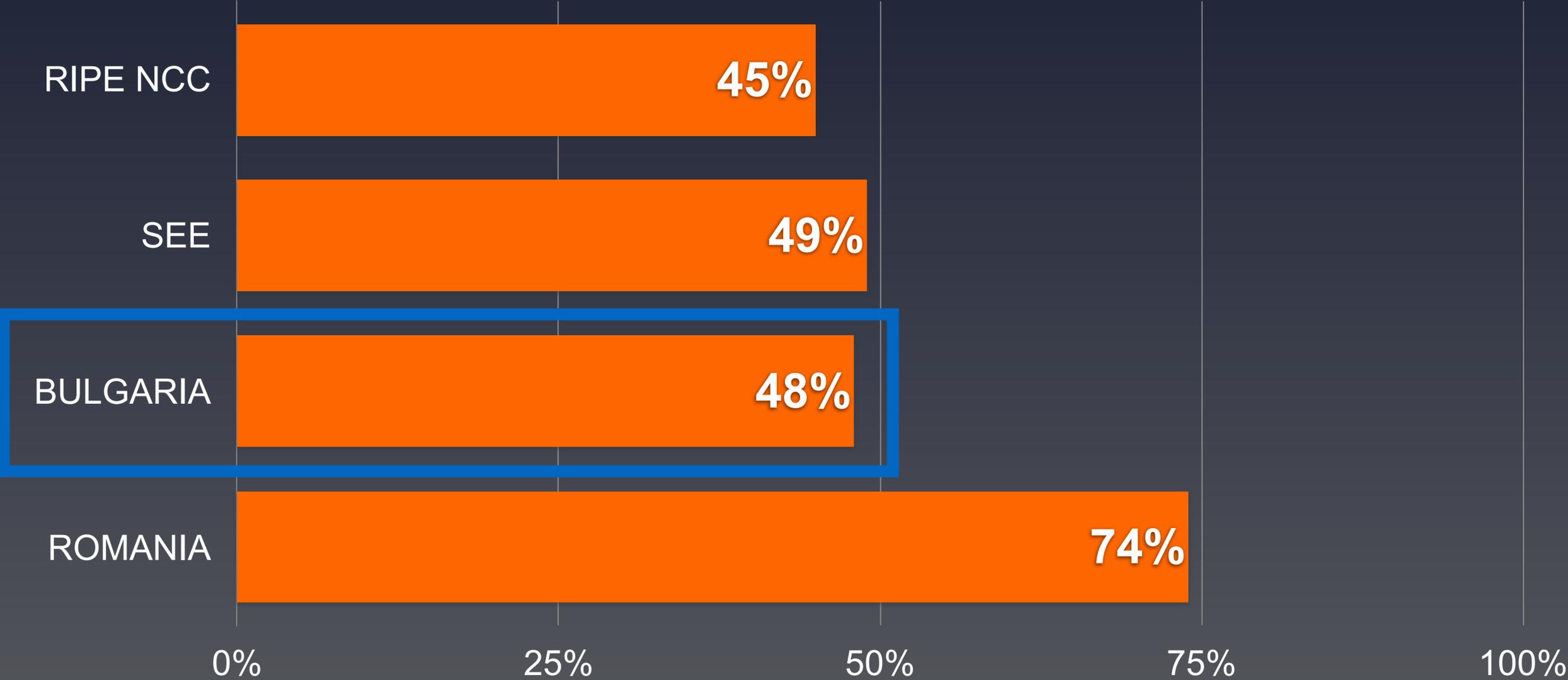
- We need dialogues with people so we know how to develop our services and carry out our activities
 - This is key to maintaining trust
 - It also helps us to deal with complex issues (of which there are quite a few)
- You need dialogues if there is to be a thriving membership and community (and we need to accommodate those dialogues)
 - Everything about RIPE and the RIPE NCC has emerged from this idea - collaboration, discussion, sharing ideas, arriving at consensus
 - These dialogues should to be open to everyone



How to Engage

- Working Group Mailing Lists and Member Discuss
 - <https://www.ripe.net/participate/mail/ripe-mailing-lists>
 - <https://www.ripe.net/participate/member-support/membership-mailing-lists>
- The RIPE NCC Forum
 - Anyone with an email address can sign up and participate
 - This is intended to add a new, inclusive way for people to talk to us and to each other
 - <https://forum.ripe.net/>
- RIPE Labs
 - <https://labs.ripe.net/contributing-to-ripe-labs/>

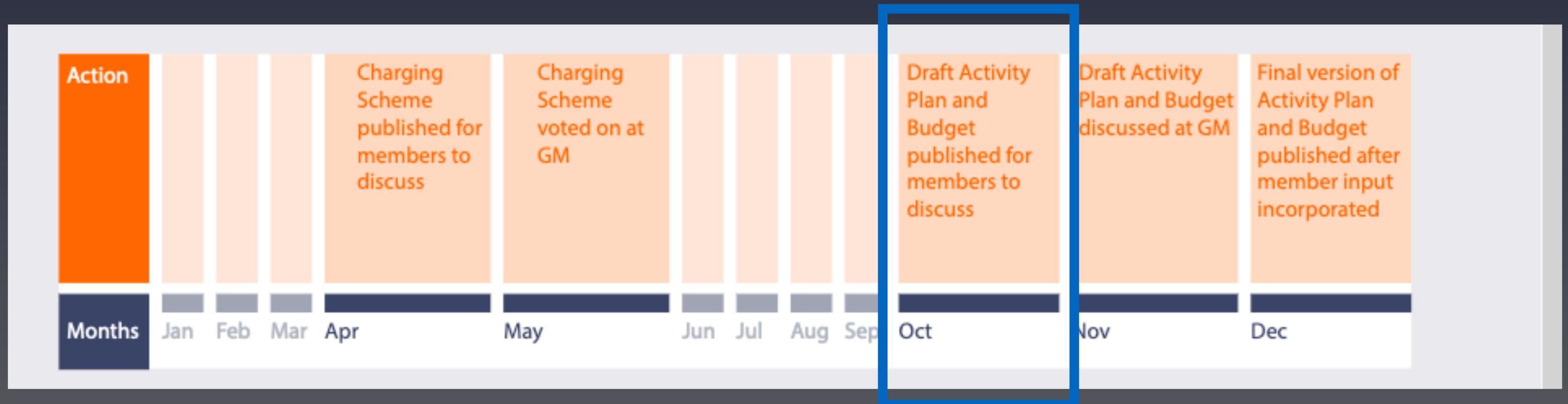
General Meeting Participation



Planning Cycle



- Activity Plan 2024: October 2023
- Next General Meeting: 29 Nov-1 Dec 2023





CAPIF 2

Central Asia Peering
and Interconnection Forum

19-20 September 2023

Tashkent — Uzbekistan

JOIN US!

www.ripe.net/capif-2





MENOG
Middle East Network Operators Group

MENOG 23
Meeting and Peering Forum

JOIN US!
8 - 12 October 2023
Riyadh, Saudi Arabia

A photograph of the Colosseum in Rome, Italy, taken during sunset. The sun is low on the left side, creating a bright orange glow and lens flare. The Colosseum's iconic tiered arches are visible, with the right side showing more significant damage and missing sections. A semi-transparent orange rectangular box is overlaid in the center of the image, containing white text.

Join us at

RIPE 87
Rome, Italy
27 Nov - 1 Dec 2023



Survey 2023



15 minutes
can make a
big difference

Take the survey for a chance to win
a trip to a RIPE Meeting and other
tech gadgets.



www.ripe.net/survey

[#RIPENCCSurvey](https://twitter.com/RIPENCCSurvey)

